

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0082 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	28/10/91	Elevation:	295 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6264260 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	583940 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:	Lower-slope	Relief:	20 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	3 %	Aspect:	0 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dy3.41
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse fragments 20-50%, medium gravelly, 6-20mm, rounded, Ironstone; No surface coarse fragments

Profile

A1	0 - 0.02 m	Grey (10YR5/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Dry; Strongly repellent, "Field pH 6 (Raupach); Abundant, fine (1-2mm) roots;
A2ec	0.02 - 0.15 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey fine sand; Single grain grade of structure; Dry; 20-50%, , coarse fragments; Common (10 - 20 %), Ferruginous, Medium (2 -6 mm), Nodules; Water repellent; Field pH 6 (Raupach); Abundant, fine (1-2mm) roots; Clear change to -
A2ec	0.15 - 0.43 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Single grain grade of structure; Dry; 50-90%, , coarse fragments; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Water repellent; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B21	0.43 - 0.45 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Moderate grade of structure; Rough-ped fabric; Dry; 20-50%, Ironstone, coarse fragments; Few (2 - 10 %), Ferruginous, Fine (0 - 2 mm), Nodules; Field pH 6 (Raupach); Common, coarse (> 5mm) roots;

Morphological Notes

A2ec	F,M R GC
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B21	F IS SAMPLED +S

Observation Notes

Site Notes

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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				%
0.43 - 0.45	5.6B 6H	77B	0.94H	3.65	0.09	0.9	0.07J		5.58D	
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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
0.43 - 0.45 31.5								65I 3.5
0.43 - 0.45 31.5								65I 3.5

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 (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