

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0124 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	20/11/91	Elevation:	320 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6269830 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	548900 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:	Mid-slope	Relief:	40 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	2 %	Aspect:	45 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:	Dy3.62
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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

Vegetation:

Surface Coarse 10-20%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile

A1	0 - 0.15 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Dry; 20-50%, Ironstone, coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 5 (Raupach); Few, very fine (0-1mm) roots; Clear change to -
A2	0.15 - 0.4 m	Brown (7.5YR4/4-Moist); , 0-0% ; Sandy loam; Dry; 20-50%, Ironstone, coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Concretions; Field pH 5.5 (Raupach); Few, very fine (0-1mm) roots; Clear change to -
B21	0.4 - 0.5 m	Brownish yellow (10YR6/6-Moist); Mottles, 7.5YR58, 20-50% , 5-15mm, Distinct; Clay loam, sandy; Dry; 20-50%, Ironstone, coarse fragments; Common (10 - 20 %), Ferruginous, Medium (2 -6 mm), Nodules; Field pH 7 (Raupach); Clear change to -
B22	0.5 - 0.65 m	Strong brown (7.5YR5/8-Moist); Mottles, 5YR58, 20-50% , 5-15mm, Distinct; Light clay; Massive grade of structure; Dry; Field pH 6.5 (Raupach);

Morphological Notes

A1	F,M S IS & QZ
A2	F,M U IS & S QZ
B21	F S IS
B22	WITH M SAND SAMPLED

Observation Notes

Site Notes

Surface gravel also c r is

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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				%
0.4 - 0.65	6.1B 6.7H	10B	4.29H	3.29	0.14	0.49	<0.02J		8.21D	
0.4 - 0.65	6.1B 6.7H	10B	4.29H	3.29	0.14	0.49	<0.02J		8.21D	

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
0.4 - 0.65 33.5								57.5I 9
0.4 - 0.65 33.5								57.5I 9

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMJR	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