

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0105 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 14/11/91	Elevation: 300 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6265830 AMG zone: 50	Runoff: No Data
Easting/Lat.: 556830 Datum: AGD84	Drainage: Imperfectly 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: 10 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 2 %	Aspect: 0 degrees

Surface Soil Condition Soft

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: Dg4.42
	Great Soil Group: N/A

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

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A11	0 - 0.1 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; 2-10%, Quartz, coarse fragments; Field pH 6 (Raupach); Abundant, fine (1-2mm) roots; Clear change to -
A12	0.1 - 0.22 m	Grey (10YR5/1-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Dry; 2-10%, Quartz, coarse fragments; Field pH 7 (Raupach); Many, fine (1-2mm) roots; Clear change to -
A2e	0.22 - 0.3 m	Grey (10YR6/1-Moist); , 0-0% ; Coarse sand; Massive grade of structure; Dry; 2-10%, Quartz, coarse fragments; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -
B2	0.3 - 0.56 m	Light grey (2.5Y7/2-Moist); Mottles, 7.5YR68, 10-20% , 5-15mm, Distinct; Medium clay; Strong grade of structure, 200-500 mm, Columnar; Smooth-ped fabric; Dry; Field pH 7 (Raupach); Few, medium (2-5mm) roots;

Morphological Notes

A11	F S QZ
A12	F S QZ
A2e	M S QZ
B2	BLEACHED SAND COATING ON TOP OF DOMES.SAMPLED. +MS

Observation Notes

Site Notes

Site on roadside

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
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m	dS/m		Cmol (+)/kg					%	
0.3 - 0.56	5.6B 6.8H	7B	0.62H	4.32	0.06	0.75	<0.02J	5.75D	
0.3 - 0.56	5.6B 6.8H	7B	0.62H	4.32	0.06	0.75	<0.02J	5.75D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3	%				
0.3 - 0.56 49.5										47.5l		3
0.3 - 0.56 49.5										47.5l		3

Laboratory Analyses Completed for this profile

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