

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0259 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 09/06/92	Elevation: 260 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6286560 AMG zone: 50	Runoff: No Data
Easting/Lat.: 506380 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: Lower-slope	Relief: 40 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 3 %	Aspect: 270 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: Dy5.11
	Great Soil Group: N/A

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

Vegetation:

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

Profile

A1c 0 - 0.1 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist;
Field pH 5.5	Loose consistence; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; (Raupach); Abundant, very fine (0-1mm) roots; Abrupt, Wavy change to -
B21 0.1 - 0.25 m	Light yellowish brown (10YR6/4-Moist); Mottles, 5YR58, 10-20% , 5-15mm, Distinct; Sandy clay loam;
pH 6	Moderate grade of structure, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; Field (Raupach); Many, fine (1-2mm) roots; Gradual change to -
B22 0.25 - 0.7 m	Brownish yellow (10YR6/7-Moist); Mottles, 10R46, 10-20% , 5-15mm, Distinct; Light clay; Moderate
Common, fine (1-2mm) roots;	Gradual change to -
B3 0.7 - 1 m	Yellow (10YR7/8-Moist); Mottles, 10YR46, 20-50% , 5-15mm, Distinct; Clay loam; Moderate grade of
	structure; Smooth-ped fabric; Dry; Weak consistence; Field pH 6 (Raupach);

Morphological Notes

B21 Sampled for ESP

Observation Notes

Site Notes

Leggo Road

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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 - 0.11	4.81B							
0.1 - 0.25	4.9B	2B	1.54H	0.87	<0.02	0.04	0.13J	2.46D
	5.9H							
0.1 - 0.25	4.9B	2B	1.54H	0.87	<0.02	0.04	0.13J	2.46D
	5.9H							
0.16 - 0.26	4.77B							
0.41 - 0.51	5.7B							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.11								
0.1 - 0.25								56l 5
39								
0.1 - 0.25								56l 5
39								
0.16 - 0.26								
0.41 - 0.51								

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