

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0110 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 15/11/91	Elevation: 287 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6267110 AMG zone: 50	Runoff: No Data
Easting/Lat.: 560310 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: Level plain <9m <1%	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: 1 metres
Elem. Type: Valley flat	Slope Category: No Data
Slope: 0 %	Aspect: 0 degrees

Surface Soil Condition Firm

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: Dy5.41
	Great Soil Group: N/A

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

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; Field pH 5
		(Raupach); Abundant, very fine (0-1mm) roots; Clear change to -
A2e	0.05 - 0.3 m	Brown (10YR5/3-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Field
		pH 5 (Raupach); Common, very fine (0-1mm) roots; Clear change to -
B21	0.3 - 0.5 m	Pale brown (10YR6/3-Moist); Mottles, 10YR68, 10-20% , 5-15mm, Distinct; Sandy medium clay;
		Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 4.5
		(Raupach); Few, fine (1-2mm) roots; Clear change to -
B22	0.5 - 0.7 m	Pale brown (10YR6/3-Moist); Mottles, 10YR68, 2-10% , 0-5mm, Faint; Sandy light medium clay;
		Moderately moist; Field pH 4.5 (Raupach); Few, very fine (0-1mm) roots; Gradual change to -
B23	0.7 - 1 m	Pale brown (10YR6/3-Moist); Mottles, 2.5YR48, 10-20% , 5-15mm, Prominent; Sandy medium clay;
		Moderately moist; Field pH 5 (Raupach);

Morphological Notes

B21 SAMPLED

Observation 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			%

0.3 - 0.5	4.1B	100B	0.86H	4.92	0.09	1.49	1.2J	7.36D
	4.6H							
0.3 - 0.5	4.1B	100B	0.86H	4.92	0.09	1.49	1.2J	7.36D
	4.6H							

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
0.3 - 0.5								64I 5
31								
0.3 - 0.5								64I 5
31								

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