

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2252 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 26/10/94	Elevation: 280 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6240610 AMG zone: 50	Runoff: No Data
Easting/Lat.: 494320 Datum: AGD84	Drainage: Poorly 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: Flat	Relief: 5 metres
Elem. Type: Valley flat	Slope Category: No Data
Slope: 0 %	Aspect: No Data

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: Dy5.42
	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 - 0.1 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure;
		Moderately moist; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Field pH 5.5
		(Raupach); Abrupt change to -
A21e	0.1 - 0.3 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure;
		Moderately moist; 10-20%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Field pH 6
		(Raupach); Gradual change to -
A22e	0.3 - 0.4 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure;
		Moderately moist; 10-20%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; 2-10%, medium
		gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6.5 (Raupach); Abrupt change to -
B21	0.4 - 0.5 m	Light yellowish brown (2.5Y6/4-Moist); Mottles, 10YR56, 10-20% , 5-15mm, Distinct; Light medium clay;
		Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 7 (Raupach); Clear change
		to -
B22	0.5 - 0.6 m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10YR58, 20-50% , 15-30mm, Distinct; Light medium clay;
		Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 7 (Raupach); Clear change
		to -
B3	0.6 - 0.9 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5YR46, 2-10% , 5-15mm, Prominent; Mottles, 10YR71, 2-
		10% , 15-30mm, Distinct; Sandy light medium clay; Moderate grade of structure; Rough-ped fabric;
		Moderately moist; Field pH 7 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site along Woodenup Road - area no longer cropped frequently due to waterlogging.

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Observation 1

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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 - 0.1	4.7B									
0.15 - 0.25	4.8B									
0.4 - 0.6	6B	10B	1.3A	4.3	0.11	0.84			6.55D	
	6.7H		1.3A	4.3	0.11	0.84			6.55D	
	6B									
0.4 - 0.6	6.7H	10B	1.3A	4.3	0.11	0.84			6.55D	
	6B		1.3A	4.3	0.11	0.84			6.55D	
	6.7H									
0.4 - 0.5	6B									
0.4 - 0.6	6B	10B	1.3A	4.3	0.11	0.84			6.55D	
	6.7H		1.3A	4.3	0.11	0.84			6.55D	
	6B									
0.4 - 0.6	6.7H	10B	1.3A	4.3	0.11	0.84			6.55D	
	6B		1.3A	4.3	0.11	0.84			6.55D	
	6.7H									
	6B									

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1											
0.15 - 0.25											
0.4 - 0.6									44.5l		7
48.5									44.5l		7
									48.5		
0.4 - 0.6									44.5l		7
48.5									44.5l		7
									48.5		
0.4 - 0.5											
0.4 - 0.6									44.5l		7
48.5									44.5l		7
									48.5		
0.4 - 0.6									44.5l		7
48.5									44.5l		7
									48.5		

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	

15A1_MG for soluble	salts Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_NA for soluble	salts Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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