

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0201 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 14/05/92	Elevation: 245 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6286630 AMG zone: 50	Runoff: No Data
Easting/Lat.: 510850 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: Level plain <9m <1%	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: 5 metres
Elem. Type: Plain	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

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: Dy3.41
	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

A11	0 - 0.05 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Moist; Very weak
		consistence; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Sharp, Smooth change to -
A12	0.05 - 0.15 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Moderately moist;
		Very weak consistence; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Abrupt, Smooth
		change to -
A2e	0.15 - 0.4 m	Pale brown (10YR6/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately moist; Loose
		consistence; Field pH 6 (Raupach); Abrupt change to -
B21	0.4 - 0.65 m	Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR58, 20-50% , 15-30mm, Prominent; Medium clay;
		Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 7
		(Raupach); Clear change to -
B22	0.65 - m	Light brownish grey (2.5Y6/2-Moist); Mottles, 10R46, 20-50% , 5-15mm, Distinct; Medium clay;
		Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 5
		(Raupach);

Morphological Notes

B21 Sampled for ESP

Observation Notes

Site Notes

L1 and L2 have massive structure - made worse by cultivation

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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 - 0.11	4.63B									
0.16 - 0.26	4.51B									
0.4 - 0.65	6B	48B								
0.4 - 0.65	6.5H									
	6B	48B								
0.41 - 0.51	6.5H									
	5.6B									

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 - 0.11											
0.16 - 0.26											
0.4 - 0.65									56l		6
38											
0.4 - 0.65									56l		6
38											
0.41 - 0.51											

Laboratory Analyses Completed for this profile

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