

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0263 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 09/06/92
Map Ref.:
Northing/Long.: 6291820 AMG zone: 50
Easting/Lat.: 500700 Datum: AGD84
Locality:
Elevation: 239 metres
Rainfall: No Data
Runoff: No Data
Drainage: Very poorly drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Alluvial plain
Relief: 2 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Surface flake, Hardsetting

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification:
 Acidic Dermosolic Salic Hydrosol
ASC Confidence:
 Analytical data are incomplete but reasonable confidence.
Mapping Unit: N/A
Principal Profile Form: Uf6.13
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

0 - 0.01 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Very weak
A1 0.01 - 0.5 m	Greyish brown (2.5Y5/2-Moist); Mottles, 10YR58, 2-10% , 0-5mm, Distinct; Sandy light clay; Moderate
(Raupach); Clear	grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 8 change to -
B2 0.5 - 1 m	Grey (5Y6/1-Moist); Mottles, 10R48, 10-20% , 5-15mm, Prominent; Mottles, 7.5YR58, 10-20% , 5-15mm,
Firm	Distinct; Light clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; consistence; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 5
(Raupach);	

Morphological Notes

Thin veneer, porous vesicular surface
 A1 Sampled for % clay, EC, pH. Sulphurous smell
 B2 Sampled for % clay, EC. Illite? Sulphurous smell

Observation Notes

Site Notes

Hardsetting below surface flake

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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	6.79B									

0.01 - 0.5	6.9B	180B
	7.4H	
0.01 - 0.5	6.9B	180B
	7.4H	
0.16 - 0.26	7B	
0.41 - 0.51	6.64B	
0.5 - 1	4.7B	160B
	5.1H	
0.5 - 1	4.7B	160B
	5.1H	

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								
0.01 - 0.5								
0.01 - 0.5								
0.16 - 0.26								
0.41 - 0.51								
0.5 - 1								
0.5 - 1								

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)