

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0946 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 29/06/93	Elevation: 332 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6338630 AMG zone: 50	Runoff: No Data
Easting/Lat.: 500820 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Upper-slope	Relief: 30 metres
Elem. Type: Summit surface	Slope Category: No Data
Slope: 3 %	Aspect: 0 degrees

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: Dy3.11
	Great Soil Group: N/A

Site No effective disturbance. Natural

Vegetation:

Surface Coarse 10-20%, medium gravelly, 6-20mm, subrounded, ; No surface coarse fragments

Profile

A1 Weak	0 - 0.05 m	Dark grey (10YR4/1-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Moist; consistence; 2-10%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
B1 grade of roots; Gradual	0.05 - 0.2 m	Pale brown (10YR6/3-Moist); Mottles, 10YR63, 10-20% , 0-5mm, Faint; Light clay; Weak structure; Moderately moist; Firm consistence; Field pH 6 (Raupach); Many, fine (1-2mm) change to -
B2t 5YR58, 2-10% , 0- moist; Firm	0.2 - 0.45 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR56, 20-50% , 5-15mm, Faint; , 5mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately consistence; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
B3 grade of	0.45 - 0.6 m	Yellowish brown (10YR5/8-Moist); , 5YR58, 2-10% , 0-5mm, Distinct; Light clay; Weak structure; Moderately moist; Firm consistence; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

B3 Kaolinised clay.

Observation Notes

Site Notes

Site in CALM reserve on Sargeants Road.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.1	4.8B								
	4.8B								
0 - 0.1	4.8B								
	4.8B								
0.1 - 0.2	4.4B								
0.2 - 0.45	4.7B	2B	0.17H	2.24	0.06	0.09	0.15J	2.56D	
	5.7H								
0.2 - 0.45	4.7B	2B	0.17H	2.24	0.06	0.09	0.15J	2.56D	
	5.7H								
0.2 - 0.45	4.7B	2B	0.17H	2.24	0.06	0.09	0.15J	2.56D	
	5.7H								
0.3 - 0.4	4.7B								

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 - 0.1											
0.1 - 0.2											
0.2 - 0.45									33.5I		8.5
	58										
0.2 - 0.45									33.5I		8.5
	58										
0.2 - 0.45									33.5I		8.5
	58										
0.3 - 0.4											

Laboratory Analyses Completed for this profile

13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method 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