

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0472 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 16/09/92
Map Ref.:
Northing/Long.: 6243930 AMG zone: 50
Easting/Lat.: 585000 Datum: AGD84
Locality:
Elevation: 279 metres
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly 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: Undulating rises 9-30m 3-10%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 3 %
Pattern Type: Rises
Relief: 20 metres
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition Soft

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

Soil Classification

Australian Soil Classification: Mesotrophic Mottled-Subnatric Grey Sodosol
Mapping Unit: N/A
Principal Profile Form: Dg4.43
ASC Confidence: All necessary analytical data are available.
Great Soil Group: N/A

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 6 (Raupach); Abundant, fine (1-2mm) roots; Abrupt change to -
A2e	0.1 - 0.35 m	Pale brown (10YR6/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to -
B21	0.35 - 0.65 m	Light grey (10YR7/1-Moist); Mottles, 7.5YR58, 20-50% , 15-30mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -
B22	0.65 - 0.75 m	Light grey (10YR7/1-Moist); Mottles, 2.5YR56, 20-50% , 15-30mm, Distinct; Light medium clay; Massive grade of structure; Dry; Firm consistence; Field pH 9 (Raupach);

Morphological Notes

Observation Notes

Site 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 - 0.11	4.86B									
0.16 - 0.26	4.75B									
0.35 - 0.65	5.6B	11B	0.61A	3.91	0.06	1.44			6.02D	

0.35 - 0.65	6.9H 5.6B	11B	0.61A	3.91	0.06	1.44		6.02D
0.41 - 0.51	6.9H 5.34B							

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 - 0.11								
0.16 - 0.26								
0.35 - 0.65								
0.35 - 0.65								
0.41 - 0.51								

Laboratory Analyses Completed for this profile

15_NR_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_MG for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_NA for soluble	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
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)