

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0391 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 11/08/92	Elevation: 341 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6248440 AMG zone: 50	Runoff: No Data
Easting/Lat.: 551760 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: Undulating rises 9-30m 3-10%	Pattern Type: Rises
Morph. Type: Upper-slope	Relief: 30 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 1 %	Aspect: 45 degrees

Surface Soil Condition Loose

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: Dy5.41
	Great Soil Group: N/A

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A11 Loose	0 - 0.1 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; consistence; Field pH 6 (Raupach); Abundant, fine (1-2mm) roots; Clear, Wavy change to -
A12e Moist; Loose	0.1 - 0.15 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Sand; Single grain grade of structure; consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
A2e moist; Loose	0.15 - 0.4 m	Yellow (10YR7/5-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately consistence; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; 2-10%, 2-6mm, subrounded, , coarse fragments; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -
B21t clay; Weak	0.4 - 0.45 m	Yellowish brown (10YR5/4-Moist); Mottles, 7.5YR56, 10-20% , 0-5mm, Faint; Sandy light grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B22t clay; Moderate	0.45 - 0.55 m	Yellow (10YR7/7-Moist); Mottles, 2.5YR48, 10-20% , 0-5mm, Prominent; Light medium grade of structure; Smooth-ped fabric; Dry; Very firm consistence; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

B22t Slightly kaolinitic

Observation Notes

Site Notes

Private property on Etna Road - close to gravel pit (390) Sheoak sand

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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	4.29B									
0.16 - 0.26	4.23B									
0.31 - 0.41	4.55B									
0.4 - 0.6	4.7B	17B	0.12H	2.42	0.03	0.74	0.14J		3.31D	
	5.4H									
0.4 - 0.6	4.7B	17B	0.12H	2.42	0.03	0.74	0.14J		3.31D	
	5.4H									

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									
0.16 - 0.26									
0.31 - 0.41									
0.4 - 0.6									
0.4 - 0.6									

Laboratory Analyses Completed for this profile

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 (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_gt2m	> 2mm particle size analysis, (method not recorded)