

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0464 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 15/09/92	Elevation: 322 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6252200 AMG zone: 50	Runoff: No Data
Easting/Lat.: 577360 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 low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type: Mid-slope	Relief: 35 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 0 %	Aspect: 180 degrees

Surface Soil Condition Soft

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: Dr5.21
	Great Soil Group: N/A

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; 2-10%, , subangular, Granite

Profile

A1	0 - 0.15 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 6.5 (Raupach); Abundant, very fine (0-1mm) roots; Clear, Smooth change to -
A2	0.15 - 0.35 m	Brown (10YR4/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to -
B21	0.35 - 0.65 m	Red (2.5YR4/6-Moist); Mottles, 10YR6/3, 10-20% , 0-5mm, Distinct; Medium clay; Strong grade of structure; Rough-ped fabric; Moderately moist; Weak consistence; Field pH 5 (Raupach); Common, fine (1-2mm) roots; Diffuse change to -
B22	0.65 - 0.85 m	Yellowish red (5YR5/7-Moist); , 0-0% ; Medium clay; Strong grade of structure; Rough-ped fabric; Dry; Firm consistence; Field pH 4 (Raupach); Few, fine (1-2mm) roots; Gradual change to -
B3	0.85 - 1 m	Yellowish red (5YR5/7-Moist); Substrate influence, 5YR6/3, 10-20% , 15-30mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Firm consistence; 20-50%, coarse gravelly, 20-60mm, subrounded, Granite, coarse fragments; Field pH 4.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Graham Road - on road verge. Abundant granite rock fragments exposed on firebreak. Surface hardsetting once cultivated

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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	5.71B									
0.16 - 0.26	4.89B									
0.35 - 0.65	4B	39B	0.79H	5.63	0.1	3.47	2.56J		9.99D	
	5H									
0.35 - 0.65	4B	39B	0.79H	5.63	0.1	3.47	2.56J		9.99D	
	5H									
0.41 - 0.51	3.34B									

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											
0.35 - 0.65											
0.35 - 0.65											
0.41 - 0.51											

Laboratory Analyses Completed for this profile

15_NR_CMR	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
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_gt2m	> 2mm particle size analysis, (method not recorded)