

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0118 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 18/11/91
Map Ref.:
Northing/Long.: 6267130 AMG zone: 50
Easting/Lat.: 550960 Datum: AGD84
Locality:
Elevation: 310 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 3 %
Relief: 30 metres
Slope Category: No Data
Aspect: 135 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Dg2.41
ASC Confidence: Confidence level not specified
Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse fragments 20-50%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse

Profile

A2e 0 - 0.25 m Pale brown (10YR6/3-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Moderately moist; 2-10%, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots;
 B21t 0.25 - 0.3 m Very pale brown (10YR7/4-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 6.5 (Raupach);
 B22t 0.3 - 0.5 m Very pale brown (10YR7/4-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Distinct; Light medium clay; Massive grade of structure; Moderately moist; Field pH 6 (Raupach);

Morphological Notes

A2e F S QZ & M R GCIS
 B21t SAMPLED
 B22t SAMPLED

Observation Notes

Site Notes

Road reserve

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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				%
0.25 - 0.5	5.6B 6.5H	6B	0.88H	2.95	0.07	0.39	<0.02J		4.29D	

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Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0.25 - 0.5									40I		4.5
55.5											
0.25 - 0.5									40I		4.5
55.5											

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	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_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)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded