

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0074 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 25/10/91
Map Ref.:
Northing/Long.: 6264050 AMG zone: 50
Easting/Lat.: 587540 Datum: AGD84
Locality:
Elevation: 313 metres
Rainfall: No Data
Runoff: No Data
Drainage: Well 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 2 %
Relief: 25 metres
Slope Category: No Data
Aspect: 0 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: N/A
ASC Confidence: Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy2.61
Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse 10-20%, medium gravelly, 6-20mm, rounded, Ironstone; 0-2%, , subrounded, Ferricrete

Profile

A11 0 - 0.13 m Dark brown (10YR3/3-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Dry; 10-20%, Quartz,
 coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -
 A12 0.13 - 0.3 m Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Dry; 10-20%,
 Quartz, coarse fragments; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear change to -
 A2 0.3 - 0.5 m Yellowish brown (10YR5/4-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Dry; Field pH 6
 (Raupach); Few, fine (1-2mm) roots; Clear change to -
 B21t 0.5 - 0.55 m Yellowish brown (10YR5/8-Moist); , 0-0% ; Sandy clay loam; Weak grade of structure; Dry; Field pH 5.5
 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A11 F A QZ & M R IS
 A12 F,M A QZ & M R IS
 B21t SAMPLED. NO PEDS

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Na	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Cmol (+)/kg	Acidity			%

0.5 - 0.55	4.5B 5.3H	4B	0.39H	0.65	0.05	0.08	0.13J	1.17D
0.5 - 0.55	4.5B 5.3H	4B	0.39H	0.65	0.05	0.08	0.13J	1.17D

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			%	
0.5 - 0.55 19.5									77I		3.5
0.5 - 0.55 19.5									77I		3.5

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 (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)
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded