

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0101 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy **Locality:**
Date Desc.: 12/11/91 **Elevation:** 318 metres
Map Ref.: **Rainfall:** No Data
Northing/Long.: 6263800 AMG zone: 50 **Runoff:** No Data
Easting/Lat.: 569780 Datum: AGD84 **Drainage:** Imperfectly 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Upper-slope **Relief:** 30 metres
Elem. Type: Hillslope **Slope Category:** No Data
Slope: 1 % **Aspect:** 315 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
 N/A **Principal Profile Form:** Dy3.12
ASC Confidence: **Great Soil Group:** N/A
 Confidence level not specified

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

Vegetation:

Surface Coarse 50-90%, medium gravelly, 6-20mm, angular, Quartz; No surface coarse fragments

Profile

A1 0 - 0.1 m Very dark grey (10YR3/1-Moist); , 0-0% ; Clayey coarse sand; Weak grade of structure; Rough-ped fabric; Dry; 20-50%, Quartz, coarse fragments; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
 B21t 0.1 - 0.38 m Light brownish grey (10YR6/2-Moist); Mottles, 10YR31, 20-50% , 30-mm, Distinct; Medium clay; Strong grade of structure, 200-500 mm, Columnar; Rough-ped fabric; Dry; 2-10%, Quartz, coarse fragments; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Gradual change to -
 B22 0.38 - 0.5 m Light grey (10YR7/1-Moist); , 0-0% ; Light medium clay; Moderate grade of structure; Smooth-ped fabric; Dry; 2-10%, Quartz, coarse fragments; Field pH 8 (Raupach); Common, fine (1-2mm) roots;

Morphological Notes

A1 F,M A QZ
 B21t C A QZ STRENGTH 5.SAMPLED +M,K SAND
 B22 M S QZ STRENGTH 6

Observation Notes

Site Notes

Quartz ridge upslope

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Laboratory Test Results:

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

0.1 - 0.38	5.2B 6.5H	19B	0.88H	2.26	0.06	1.72	0.02J	4.92D
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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			%	
0.1 - 0.38 44									49.5l		6.5
0.1 - 0.38 44									49.5l		6.5

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