

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1081 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy
Date Desc.: 28/07/93
Map Ref.:
Northing/Long.: 6322220 AMG zone: 50
Easting/Lat.: 542380 Datum: AGD84
Locality:
Elevation: 279 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately 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: Flat
Elem. Type: Valley flat
Slope: 0 %
Relief: 25 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Firm

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

Soil Classification

Australian Soil Classification: N/A
Mapping Unit: N/A
Principal Profile Form: Dy5.21
ASC Confidence: Confidence level not specified
Great Soil Group: N/A

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

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.12 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moderately moist; Field pH 6 (Raupach); Clear, Wavy change to -
A21	0.12 - 0.25 m	Brown (10YR5/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; Field pH 6 (Raupach); Clear change to -
A22	0.25 - 0.3 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Moist; Field pH 7 (Raupach); Abrupt, Wavy change to -
B1	0.3 - 0.35 m	Grey (2.5Y6/1-Moist); Mottles, 7.5YR56, 2-10% , 5-15mm, Distinct; Sandy light clay; Massive grade of structure; Moderately moist; Field pH 6.5 (Raupach); Clear change to -
B2	0.35 - 0.6 m	Brownish yellow (10YR6/6-Moist); , 2.5YR46, 20-50% , 15-30mm, Prominent; Medium clay; Moderate grade of structure; Rough-ped fabric; Dry; Field pH 5.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site in remnant vegetation along the Dongolocking Road.

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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 - 0.1	5B								
0.15 - 0.25	5.3B								

0.35 - 0.6	4.8B 5.2H	79B	0.27H	5.06	0.04	1.95	0.02J	7.32D
0.35 - 0.6	4.8B 5.2H	79B	0.27H	5.06	0.04	1.95	0.02J	7.32D
0.4 - 0.5	4.8B							

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 - 0.1											
0.15 - 0.25											
0.35 - 0.6									38.5l		6
55.5											
0.35 - 0.6									38.5l		6
55.5											
0.4 - 0.5											

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_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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method 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