

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0062 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 23/10/91	Elevation: 296 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6263340 AMG zone: 50	Runoff: No Data
Easting/Lat.: 590900 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: Lower-slope	Relief: 30 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 2 %	Aspect: 45 degrees

Surface Soil Condition Hardsetting, Hardsetting

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: Dy3.23
	Great Soil Group: N/A

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

Vegetation:

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

Profile

A1c 0 - 0.1 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey fine sand; Single grain grade of structure; Sandy Ferruginous, Coarse (6 - 20 mm), Nodules; Water repellent; Field pH 5.5 (Raupach); Abundant, fine (1-2mm) roots; Abrupt change to -	
A2c 0.1 - 0.3 m Brown (10YR5/3-Moist); , 0-0% ; Clayey fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, Ironstone, coarse fragments; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Many (20 - 50 %), Ferruginous, Medium (2 -6 mm), Nodules; Many (20 - 50 %), Ferruginous, Very coarse (20 - 60 mm), Nodules; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -	
B21t 0.3 - 0.42 m Light brownish grey (2.5Y6/3-Moist); Mottles, 7.5YR66, 20-50% , 0-5mm, Faint; Sandy medium clay; Strong grade of structure; Rough-ped fabric; Dry; 10-20%, Ironstone, coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Gradual change to -	
B22 0.42 - 0.6 m Yellow (10YR7/6-Moist); Mottles, 7.5YR66, 20-50% , 0-5mm, Faint; Light medium clay; of structure; Rough-ped fabric; Dry; 10-20%, Ironstone, coarse fragments; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 8.5 (Raupach); Few, fine (1-2mm) roots;	

Morphological Notes

A1c	F,M R IS
A2c	F,M,C R IS

B21t MIS SAMPLED
B22 MIS

Observation Notes

Site Notes

Project Name: Katanning land resources survey
Project Code: KLC Site ID: 0062 Observation 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.3 - 0.42	5.6B 7.1H	8B	2.13H	3.68	0.06	1.92	<0.02J		7.79D	
0.3 - 0.42	5.6B 7.1H	8B	2.13H	3.68	0.06	1.92	<0.02J		7.79D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.3 - 0.42								59I 3.5
37.5								
0.3 - 0.42								59I 3.5
37.5								

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