

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1077 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 28/07/93	Elevation: 272 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6320150 AMG zone: 50	Runoff: No Data
Easting/Lat.: 540140 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: Footslope	Slope Category: No Data
Slope: 1 %	Aspect: 225 degrees

Surface Soil Condition Recently cultivated

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: Dg4.42
	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, angular, Quartz; No surface coarse fragments

Profile

A1p 0 - 0.1 m moist; Loose	Dark grey (10YR4/1-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately consistence; Field pH 5.5 (Raupach); Many, very fine (0-1mm) roots; Abrupt change to -
A21 0.1 - 0.25 m structure; Moist; Loose	Pale brown (10YR6/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of consistence; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Clear change to -
A22e 0.25 - 0.3 m structure;	Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of Moist; Loose consistence; Field pH 7 (Raupach); Few, very fine (0-1mm) roots; Abrupt, Wavy change to -
B21 0.3 - 0.55 m medium clay;	Light grey (10YR7/1-Moist); Mottles, 10YR56, 10-20% , 5-15mm, Distinct; Sandy light Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 8 (Raupach); Few, very fine (0-1mm) roots; Clear change to -
B22 0.55 - 0.8 m Medium clay; (Raupach);	Light brownish grey (10YR6/2-Moist); Mottles, 2.5YR46, 20-50% , 15-30mm, Distinct; Moderate grade of structure; Rough-ped fabric; Dry; Very firm consistence; Field pH 7.5 Few, very fine (0-1mm) roots; Gradual change to -
B3 0.8 - 1 m medium clay; Dry;	Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR56, 2-10% , 5-15mm, Faint; Light Firm consistence; Field pH 7.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

Site along Dongolocking Road - slop 1% above site and >1% below site.

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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 - 0.1	4.5B									
0.15 - 0.25	5.6B									
0.3 - 0.55	6.3B	6B	0.93A	1.19	0.02	0.54			2.68D	
	7.6H									
0.3 - 0.55	6.3B	6B	0.93A	1.19	0.02	0.54			2.68D	
	7.6H									
0.4 - 0.5	6.3B									

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 - 0.1											
0.15 - 0.25											
0.3 - 0.55									72.5l		8.5
19											
0.3 - 0.55									72.5l		8.5
19											
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_CMdR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	
15A1_CEC	salts
15A1_K	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG	salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_NA	salts
for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
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