

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2135 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 23/09/94	Elevation: 240 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6289620 AMG zone: 50	Runoff: No Data
Easting/Lat.: 476000 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: Level plain <9m <1%	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: 5 metres
Elem. Type: Plain	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition Firm

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: Dy5.23
	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 - 0.08 m	Dark brown (7.5YR3/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Field pH 6
		(Raupach); Abrupt, Smooth change to -
A21	0.08 - 0.3 m	Pale brown (10YR6/3-Moist); Mottles, 7.5YR56, 2-10% , 5-15mm, Faint; Sand; Single grain grade of
		structure; Wet; Field pH 6 (Raupach); Clear change to -
A22	0.3 - 0.4 m	Yellowish brown (10YR5/4-Moist); Mottles, 10YR56, 2-10% , 5-15mm, Distinct; Sand;
	Single grain	grade of structure; Wet; Field pH 6 (Raupach); Abrupt change to -
B2	0.4 - 0.55 m	Light brownish grey (10YR6/2-Moist); Mottles, 10YR58, 10-20% , 15-30mm, Distinct;
	Medium clay;	Moderate grade of structure; Moderately moist; Field pH 8 (Raupach); Abrupt change to -
C	0.55 - 0.7 m	Light grey (2.5Y7/1-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Sandy light
	medium clay;	Massive grade of structure; Dry; 20-50%, medium gravelly, 6-20mm, subrounded, ,
	coarse fragments;	Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 9.5
	(Raupach);	

Morphological Notes

C Cemented pan.

Observation Notes

Site Notes

Site along Capercup south Road. Guildford grass and barley grass dominated pasture with subclover and medic.

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
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m	dS/m		Cmol (+)/kg				%			
0.4 - 0.55	7B	94B	0.84A	5.3	0.06	2.8			9D	
0.55 - 0.7	7.7H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis	GV	CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3				%	
0.4 - 0.55										44I		5
51												
0.55 - 0.7												

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CM	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	salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15J_BA	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