

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0913 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	17/06/93	Elevation:	277 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6289870 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	573750 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:	Flat	Relief:	25 metres
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dy5.41
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 No surface coarse fragments; No surface coarse fragments

Profile

A11	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist;
		Loose consistence; Field pH 7 (Raupach); Many, very fine (0-1mm) roots; Abrupt change to -
A12	0.12 - 0.2 m	Brown (10YR4/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence; Field
		pH 7 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
A21	0.2 - 0.3 m	Brown (10YR5/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Wet; Loose consistence; Field
		pH 7 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
A22e	0.3 - 0.35 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Wet; Loose
		consistence; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -
B2t	0.35 - 0.5 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR46, 20-50% , 5-15mm, Prominent; Sandy light medium
		clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 5
		(Raupach); Few, very fine (0-1mm) roots; Clear change to -
C	0.5 - 0.6 m	Light yellowish brown (2.5Y6/4-Moist); , 0-0% ; Sandy clay loam; Moderate grade of structure; Rough-
		ped fabric; Moderately moist; Firm consistence; 20-50%, fine gravelly, 2-6mm, subangular, Quartz,
		coarse fragments; Field pH 5 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

Site along Coomelberrup Road Reserve.

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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	5.3B									
0.12 - 0.2	5.8B									
0.35 - 0.5	4.3B	30B	0.47H	3.2	0.05	2.1	0.32J		5.82D	
	5.4H									
0.35 - 0.5	4.3B	30B	0.47H	3.2	0.05	2.1	0.32J		5.82D	
	5.4H									
0.4 - 0.5	4.1B									

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											
0.12 - 0.2											
0.35 - 0.5									66.5l		5
	28.5										
0.35 - 0.5									66.5l		5
	28.5										
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_CMd	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
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