

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0326 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	16/07/92	Elevation:	310 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6280580 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	539710 Datum: AGD84	Drainage:	Poorly 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: Undulating low hills 30-90m 3-10% **Pattern Type:** Low hills

Morph. Type:	Upper-slope	Relief:	60 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	2 %	Aspect:	0 degrees

Surface Soil Condition Surface crust, Hardsetting

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dr3.13
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; 0-2%, , subangular, Granite

Profile

A11	0 - 0.25 m	Dark reddish brown (5YR3/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure;
		Moist; Loose consistence; Field pH 6 (Raupach); Abundant, very fine (0-1mm) roots;
		Gradual change to -
A12	0.25 - 0.45 m	Dark reddish brown (5YR3/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Wet;
		Loose consistence; Field pH 7 (Raupach); Common, very fine (0-1mm) roots; Abrupt change to -
B2t	0.45 - 0.55 m	Dark red (2.5YR3/6-Moist); Mottles, 7.5YR46, 20-50% , 5-15mm, Faint; Heavy clay;
		Strong grade of structure; Rough-ped fabric; Moist; Field pH 7 (Raupach); Few, very fine (0-1mm) roots;
		Gradual change to -
C	0.55 - 0.8 m	Dark olive grey (5Y3/2-Moist); Mottles, 5Y66, 20-50% , 5-15mm, Faint; Mottles, 10YR58, 20-50% , 5-
		15mm, Faint; Sandy light clay; Massive grade of structure; Dry; Field pH 8 (Raupach);
		Few, very fine (0-1mm) roots;

Morphological Notes

B2t	Sampled ESP, % clay
C	Weathered dolerite

Observation Notes

Site Notes

Hensman Road

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.11	5.03B								
0.16 - 0.26	5.42B								
0.36 - 0.46	5.81B								
0.45 - 0.55	6.3B	10B	9.29A	11.15	0.35	2.4		23.19D	
	7.5H								
0.45 - 0.55	6.3B	10B	9.29A	11.15	0.35	2.4		23.19D	
	7.5H								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.11								
0.16 - 0.26								
0.36 - 0.46								
0.45 - 0.55								42.5I 14.5
43								
0.45 - 0.55								42.5I 14.5
43								

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	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_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