

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0321 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	15/07/92	Elevation:	360 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6275860 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	546310 Datum: AGD84	Drainage:	Moderately well 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:	Crest	Relief:	40 metres
Elem. Type:	Summit surface	Slope Category:	No Data
Slope:	1 %	Aspect:	No Data

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dr2.11
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

A1	0 - 0.12 m	Dark brown (10YR3/3-Moist); , 0-0% ; Sandy clay loam; Single grain grade of structure; Moderately moist; Loose consistence; Field pH 6 (Raupach); Abundant, fine (1-2mm) roots; Sharp, Wavy change to -
B21t	0.12 - 0.3 m	Red (2.5YR5/8-Moist); Mechanical, 10YR32, 10-20% , 0-5mm, Faint; Substrate influence, 10YR81, 2-10% , 0-5mm, Distinct; Medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Field pH 7.5 (Raupach); Common, very fine (0-1mm) roots; Diffuse change to -
B22t	0.3 - 0.7 m	Red (2.5YR5/8-Moist); Substrate influence, 10YR81, 10-20% , 0-5mm, Distinct; Medium grade of structure; Rough-ped fabric; Dry; Field pH 7 (Raupach); Common, very fine (0-1mm) roots; Clear change to -
C	0.7 - m	White (10YR8/1-Moist); Mottles, 5YR58, 10-20% , 0-5mm, Distinct; Clay loam; Massive grade of structure; Dry; Field pH 6 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

A1	5 clay
B21t	% clay ESP
B22t	Kaolinitic
C	Kaolinitic

Observation Notes

Site Notes

Tuck Rd

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.12	5.8B	12B								
	6.6H									
0 - 0.12	5.8B	12B								
	6.6H									
0 - 0.11	5.49B									
0.12 - 0.3	6.4B	23B	3.53A	5.61	0.12	0.82			10.08D	
	7.1H									
0.12 - 0.3	6.4B	23B	3.53A	5.61	0.12	0.82			10.08D	
	7.1H									
0.16 - 0.26	6.51B									
0.41 - 0.51	6.29B									

Depth m	CaCO ₃ %	Organic C Clay %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m ³	Particle GV	Size CS	Analysis FS	Silt
0 - 0.12											
0 - 0.12											
0 - 0.11											
0.12 - 0.3									35.5l		7.5
57											
0.12 - 0.3									35.5l		7.5
57											
0.16 - 0.26											
0.41 - 0.51											

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	
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