

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1092 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 29/07/93	Elevation: 298 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6326590 AMG zone: 50	Runoff: No Data
Easting/Lat.: 534200 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: No Data	Pattern Type: Rises
Morph. Type: Flat	Relief: 10 metres
Elem. Type: Valley flat	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition Hardsetting, Hardsetting

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: Dy3.22
	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

A11	0 - 0.02 m	Dark brown (7.5YR3/2-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Moist; Abundant, very fine (0-1mm) roots; Abrupt change to -
A12	0.02 - 0.25 m	Brown (7.5YR4/3-Moist); , 0-0% ; Clay loam; Moderate grade of structure; Moist; Field pH 7 (Raupach); Many, very fine (0-1mm) roots; Clear change to -
A21	0.25 - 0.35 m	Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Clay loam, coarse sandy; Moderate grade of structure; Moist; Common, very fine (0-1mm) roots; Clear change to -
A22	0.35 - 0.5 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Weak grade of structure; Rough-ped fabric; Wet; 50-90%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Raupach); Common, very fine (0-1mm) roots; Clear change to -
B21	0.5 - 0.7 m	Brownish yellow (10YR6/6-Moist); Mottles, 5YR46, 10-20% , 5-15mm, Faint; Medium clay; Moderate grade of structure; Rough-ped fabric; Moist; Field pH 7 (Raupach); Few, very fine (0-1mm) roots;
B22	0.7 - 0.9 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5YR46, 2-10% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 7 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

Observation Notes

Site Notes

Site on Urquhart Road reserve. Deep drain nearby contains water with EC of 1860 mS/m (not much depth.)

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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				%
0.5 - 0.7	6.2B 6.7H	120B	2.53A	5.39	0.13	3.84			11.89D	
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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
0.5 - 0.7								34I	9
57									
0.5 - 0.7								34I	9
57									

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