

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0051 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 16/10/91	Elevation: 300 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6261890 AMG zone: 50	Runoff: No Data
Easting/Lat.: 579200 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: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Mid-slope	Relief: 20 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 1 %	Aspect: 315 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Eutrophic Hypernatric Yellow Sodosol	Principal Profile Form: Dy3.43
ASC Confidence:	Great Soil Group: N/A
Confidence level not specified	

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.02 m	Grey (10YR5/1-Moist); , 0-0% ; Loamy coarse sand; Massive grade of structure; Sandy (grains abundant, medium (2-5mm) roots; Abrupt change to -
A2e	0.02 - 0.1 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, Quartz, coarse fragments; Field pH 6 (Raupach); Many, medium (2-5mm) roots; Abrupt change to -
B21	0.1 - 0.25 m	Light yellowish brown (10YR6/4-Moist); Mottles, 5YR58, 10-20% , 0-5mm, Faint; Sandy medium clay; Strong grade of structure; Rough-ped fabric; Dry; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B22	0.25 - 0.45 m	Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR48, 0-2% , 0-5mm, Distinct; Sandy medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Field pH 8.5 (Raupach); Common, fine (1-2mm) roots; Clear change to -
B23t	0.45 - 0.75 m	Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR48, 2-10% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Smooth-ped fabric; Moderately moist; Field pH 8.5 (Raupach); Gradual change to -
B3	0.75 - 0.9 m	Yellow (10YR8/6-Moist); Mottles, 7.5R36, 10-20% , 5-15mm, Prominent; Medium clay; Moderate grade of structure; Smooth-ped fabric; Moderately moist; Field pH 8.5 (Raupach); Gradual change to -
C	0.9 - 1.1 m	White (10YR8/2-Moist); Mottles, 10YR86, 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Smooth-ped fabric; Moderately moist; Field pH 8 (Raupach);

Morphological Notes

A1 GRAVEL F,A
A2e GRAVEL FA & FEW M,C R,IS
B21 SAMPLED

Observation Notes**Site Notes**

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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				%
0.1 - 0.25	6.7B 8H	17B	1.88A	3.7	0.24	1.96			7.78D	
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Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.1 - 0.25 40	<2C							57I 3
0.1 - 0.25 40	<2C							57I 3
0.1 - 0.25 40	<2C							57I 3

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using 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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
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