

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1952 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 29/08/94	Elevation: 290 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6270090 AMG zone: 50	Runoff: No Data
Easting/Lat.: 484170 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: Mid-slope	Relief: 30 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 4 %	Aspect: 270 degrees

Surface Soil Condition Firm

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: Dy5.22
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse No surface coarse fragments; 2-10%, , angular, Quartz

Profile

A1	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Moist; 2-gravelly, 6-20mm,
		10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments; 2-10%, medium rounded, , coarse fragments; Field pH 6 (Raupach); Clear change to -
A2	0.12 - 0.3 m	Brown (7.5YR4/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; 2-10%, medium
		gravelly, 6-20mm, angular, Quartz, coarse fragments; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6.5 (Raupach); Abrupt change to -
B2	0.3 - 0.55 m	Brownish yellow (10YR6/6-Moist); Mottles, 2.5YR46, 2-10% , 5-15mm, Distinct; Medium heavy clay;
		Moderate grade of structure; Rough-ped fabric; Moderately moist; 10-20%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Field pH 7 (Raupach); Gradual change to -
B31	0.55 - 0.8 m	Yellowish brown (10YR5/6-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Distinct; Light medium clay;
		Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 7 (Raupach); Gradual change to -
B32	0.8 - 0.9 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5YR46, 10-20% , 15-30mm, Distinct; , 10YR76, 2-10% , 5-15mm, Distinct; Light clay; Massive grade of structure; Moderately moist; 20-50%, fine gravelly, 2-6mm,
		angular, Quartz, coarse fragments; Field pH 7 (Raupach);

Morphological Notes

B2 Quartz cobbles common on top of clay.

Observation Notes

Site Notes

Site at the corner of Magini Road and Round Pool Road.

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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	4.9B									
0.15 - 0.25	5.2B									
0.3 - 0.5	5.2B	5B	0.72H	2	0.03	0.31	<0.02J		3.06D	
	6H									
0.4 - 0.5	5.3B									

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 - 0.1								
0.15 - 0.25								
0.3 - 0.5								54.5I
39								
0.4 - 0.5								6.5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMdR	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
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded