

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 0041 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 11/10/91	Elevation: 305 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6257350 AMG zone: 50	Runoff: No Data
Easting/Lat.: 574980 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: 15 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 1 %	Aspect: 0 degrees

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: Dy3.11
	Great Soil Group: N/A

Site Cultivation. Rainfed

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

Ap 0 - 0.08 m Dry; Field pH 6	Very dark brown (10YR2/2-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; (Raupach); Abundant, medium (2-5mm) roots; Abrupt, Irregular change to -
B21t 0.08 - 0.3 m medium clay; 2mm) roots;	Pale brown (10YR6/3-Moist); Mottles, 2.5YR68, 20-50% , 5-15mm, Distinct; Fine sandy Strong grade of structure; Rough-ped fabric; Dry; Field pH 7 (Raupach); Common, fine (1- Clear change to -
B22 0.3 - 0.6 m medium clay; 2mm) roots;	Yellowish red (5YR5/6-Moist); Mottles, 10YR52, 20-50% , 5-15mm, Distinct; Sandy Moderate grade of structure; Rough-ped fabric; Dry; Field pH 5.5 (Raupach); Few, fine (1- Gradual change to -
B23 0.6 - 0.85 m clay; Moderate coarse	Red (2.5YR4/6-Moist); Mottles, 10YR41, 10-20% , 5-15mm, Distinct; Fine sandy medium grade of structure; Rough-ped fabric; Moderately moist; Field pH 5 (Raupach); Common, (>5mm) roots; Clear change to -
B3 0.85 - 0.95 m Moderate grade Field pH 5	Red (2.5YR4/6-Moist); Mottles, 5YR74, 10-20% , 5-15mm, Distinct; Light medium clay; of structure; Rough-ped fabric; Moderately moist; 20-50%, Granite, coarse fragments; (Raupach); Clear change to -
C 0.95 - 1 m fabric; change to -	Red (2.5YR4/6-Moist); , 0-0% ; Medium clay; Moderate grade of structure; Rough-ped Moderately moist; 20-50%, Granite, coarse fragments; Field pH 5 (Raupach); Clear

Morphological Notes

B3 FINE WEATHERED ROCK +KS
 C +KS F,M ROCK FRAGMENTS

Observation Notes

Site Notes

Dolerite dyke on other side of road. Rock at 100cm.

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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				%
0.08 - 0.3	6.8B 7.5H	67B	4.42A	8.71	0.41	8.71			22.25D	
0.08 - 0.3	6.8B 7.5H	67B	4.42A	8.71	0.41	8.71			22.25D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.08 - 0.3									60I		7
33											
0.08 - 0.3									60I		7
33											

Laboratory Analyses Completed for this profile

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