

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 2119 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 14/09/94	Elevation: 240 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6284820 AMG zone: 50	Runoff: No Data
Easting/Lat.: 471920 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: Flat	Relief: 10 metres
Elem. Type: Valley flat	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition Soft

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: Dy4.62
	Great Soil Group: N/A

Site Cultivation. Rainfed

Vegetation:

Surface Coarse 20-50%, medium gravelly, 6-20mm, rounded, ; No surface coarse fragments

Profile

A1 0 - 0.1 m	Black (10YR2/1-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; 20-50%, fine subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, coarse fragments; Field pH 8 (Raupach); Abrupt change to -
A2 0.1 - 0.3 m	Brown (10YR4/3-Moist); , 0-0% ; Single grain grade of structure; Moist; 20-50%, fine subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Gradual change to -
A3 0.3 - 0.45 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Single grain grade of structure; Moist; 20-50%, fine subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, coarse fragments; Field pH 7.5 (Raupach); Gradual change to -
B1 0.45 - 0.55 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR58, 2-10% , 5-15mm, Distinct; Massive grade of structure; Moist; 50-90%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 7.5 (Raupach); Clear change to -
B2 0.55 - 0.8 m	Light yellowish brown (2.5Y6/4-Moist); Mottles, 10YR58, 0-2% , 5-15mm, Distinct; Light medium clay; Weak grade of structure; Rough-ped fabric; Moderately moist; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 8 (Raupach);

Morphological Notes

A2	-CMS
A3	CKS
B1	KSCL

Observation Notes

Site Notes

Site along Moodiarup West Road - older valley floor or terrace drained by more recent drainage to west.

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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				%
0.55 - 0.75	6.3B 7.2H	4B	1.1A	2	0.24	0.33			3.67D	

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			%	
0.55 - 0.75 44.5									50I		5.5

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_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded