

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1918 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Heather Percy	Locality:	
Date Desc.:	15/08/94	Elevation:	260 metres
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6258960 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	487020 Datum: AGD84	Drainage:	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 rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	20 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	9 %	Aspect:	0 degrees

Surface Soil Condition Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dy2.62
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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

Vegetation:

Surface Coarse 50-90%, medium gravelly, 6-20mm, rounded, ; 2-10%, , subangular, Dolerite

Profile

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure;
		Moderately moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 5.5 (Raupach); Clear change to -
A2	0.1 - 0.3 m	Brown (7.5YR4/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure;
		Moderately moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6.5 (Raupach); Gradual change to -
A3	0.3 - 0.5 m	Brown (7.5YR5/4-Moist); , 0-0% ; Single grain grade of structure; Wet; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, rounded, , coarse fragments; Field pH 6.5 (Raupach); Clear change to -
B2	0.5 - 0.8 m	Strong brown (7.5YR5/6-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure;
		Moderately moist; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6.5 (Raupach); Clear change to -
B3	0.8 - 0.9 m	Strong brown (7.5YR5/6-Moist); , 0-0% ; Clay loam; Massive grade of structure;
		Moderately moist; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6.5 (Raupach);

Morphological Notes

A3 CMS

Observation Notes

Site Notes

Site along Narlingup Road North. Canola in paddock upslope of site.

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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	5.1B									
0.15 - 0.25	5.2B									
0.4 - 0.5	5.5B									
0.5 - 0.7	5.6B	2B	2.3H	2.3	0.14	0.22	<0.02J		4.96D	
	6.4H									
0.5 - 0.7	5.6B	2B	2.3H	2.3	0.14	0.22	<0.02J		4.96D	
	6.4H									

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 - 0.1											
0.15 - 0.25											
0.4 - 0.5											
0.5 - 0.7									62I		7
31											
0.5 - 0.7									62I		7
31											

Laboratory Analyses Completed for this profile

13C1_AL	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
13C1_FE	Citrate/dithionite-extractable iron, aluminium, Manganese and Silicon
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
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