Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1723** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 10/06/94
Map Ref.:
Northing/Long.: 6314720 AMG zone: 50
Easting/Lat.: 476290 Datum: AGD84
Locality:
Elevation: 280 metres
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%
Pattern Type: Rises

Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 1 %
Relief: 10 metres
Slope Category: No Data
Aspect: 135 degrees

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy5.62
Great Soil Group: N/A

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

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1 0 - 0.12 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -

A2 0.12 - 0.3 m Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; 20-50%, coarse gravelly, 20-60mm, subrounded, , coarse fragments; 10-20%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach); Clear change to -

A3 0.3 - 0.5 m Greyish brown (10YR5/2-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 (Raupach); Abrupt change to -

B2 0.5 - 0.6 m Brownish yellow (10YR6/6-Moist); , 5YR58, 10-20% , 5-15mm, Distinct; Light clay; Weak grade of structure; Rough-ped fabric; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6.5 (Raupach); Clear change to -

B3 0.6 - 0.75 m Brownish yellow (10YR6/6-Moist); Mottles, 2.5Y74, 10-20% , 15-30mm, Faint; Mottles, 5YR58, 2-10% , 5-15mm, Distinct; Clay loam; Massive grade of structure; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 7 (Raupach);

Morphological Notes

A3 MSL

Observation Notes

Site Notes

Site along road reserve of the Darkan - Williams Road.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0.5 - 0.7	5.2B	2B	0.74H	2.3	0.13	0.21	0.04J		3.38D	
	6.2H		0.74H	2.3	0.13	0.21	0.04J		3.38D	
	5.2B									
	6.2H									
0.5 - 0.7	5.2B	2B	0.74H	2.3	0.13	0.21	0.04J		3.38D	
	6.2H		0.74H	2.3	0.13	0.21	0.04J		3.38D	
	5.2B									
	6.2H									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0.5 - 0.7									61I		6
33											
									61I		6
33											
0.5 - 0.7									61I		6
33											
									61I		6
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
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