Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0040** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 10/10/91
Map Ref.:
Northing/Long.: 6263480 AMG zone: 50
Easting/Lat.: 575930 Datum: AGD84
Locality:
Elevation: 289 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: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Alluvial plain
Relief: 5 metres
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition Hardsetting, Hardsetting

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: Dy3.23
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 Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey coarse sand; Weak grade of structure; Sandy (grains prominent) fabric; Dry; 2-10%, Quartz, coarse fragments; Field pH 5.5 (Raupach); Abundant, medium (2-5mm) roots; Abrupt change to -

A2 0.12 - 0.25 m Greyish brown (10YR5/2-Moist); , 0-0% ; Loamy coarse sand; Single grain grade of structure; Dry; 2-10%, Quartz, coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B21 0.25 - 0.65 m Light brownish grey (2.5Y6/2-Moist); , 0-0% ; Fine sandy medium heavy clay; Strong grade of structure; Rough-ped fabric; Moist; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach); Few, fine (1-2mm) roots; Gradual change to -

B22 0.65 - 0.9 m Light brownish grey (10YR6/2-Moist); , 0-0% ; Sandy medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Soil matrix is Slightly calcareous; Field pH 9 (Raupach); Gradual change to -

B23 0.9 - 1.25 m Light brownish grey (10YR6/2-Moist); Mottles, 2.5YR48, 20-50% , 15-30mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Soil matrix is Slightly calcareous; Field pH 9 (Raupach);

Morphological Notes

A1 FINE A QZ GRAVEL
A2 F,M A QZ GRAVEL
B21 LAYER SAMPLED

Observation Notes

Site Notes

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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							%
0.25 - 0.65	7.6B 8.5H	26B	3.88E	4.62	0.02	1.2		12B	9.72D	10.00
0.25 - 0.65	7.6B 8.5H	26B	3.88E	4.62	0.02	1.2		12B	9.72D	10.00
0.25 - 0.65	7.6B 8.5H	26B	3.88E	4.62	0.02	1.2		12B	9.72D	10.00

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			%	
0.25 - 0.65	<2C								60I		7
33											
0.25 - 0.65	<2C								60I		7
33											
0.25 - 0.65	<2C								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
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, 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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
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