Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0180** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 07/05/92
Map Ref.:
Northing/Long.: 6270860 AMG zone: 50
Easting/Lat.: 519850 Datum: AGD84
Locality:
Elevation: 277 metres
Rainfall: No Data
Runoff: No Data
Drainage: Moderately well 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: Undulating low hills 30-90m 3-10%
Pattern Type: Low hills

Morph. Type: Flat
Elem. Type: Valley flat
Slope: 1 %
Relief: 50 metres
Slope Category: No Data
Aspect: 270 degrees

Surface Soil Condition 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: Dy3.42
Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A11 0 - 0.05 m Dark brown (10YR3/3-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Moist; Very weak consistence; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Sharp, Smooth change to -

A12 0.05 - 0.1 m Pale brown (10YR6/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Loose consistence; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Abrupt, Smooth change to -

A2e 0.1 - 0.45 m Very pale brown (10YR7/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Dry; Loose consistence; Field pH 6.5 (Raupach); Abrupt change to -

B21 0.45 - 0.6 m Yellowish brown (10YR5/8-Moist); Mottles, 7.5YR68, 10-20% , 0-5mm, Faint; Fine sandy light clay; Weak grade of structure; Rough-ped fabric; Moderately moist; Firm consistence; Field pH 6 (Raupach); Gradual change to -

B22 0.6 - 1 m Light brownish grey (2.5Y6/3-Moist); Mottles, 10R46, 20-50% , 5-15mm, Prominent; Mottles, 10YR66, 2-10% , 5-15mm, Prominent; Medium clay; Strong grade of structure; Smooth-ped fabric; Dry; Firm consistence; Field pH 6 (Raupach);

Morphological Notes

A2e Moisture front at 20cm
B21 Sampled for ESP
B22 Also 10YR 6/8 mottles below 90cm.

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 - 0.11	4.92B									
	4.92B									
0 - 0.11	4.92B									
	4.92B									
0.16 - 0.26	4.66B									
0.36 - 0.46	4.8B									
0.45 - 0.6	4.8B	4B	1.11H	1.67	0.21	0.6	0.07J		3.59D	
	6.3H									
0.45 - 0.6	4.8B	4B	1.11H	1.67	0.21	0.6	0.07J		3.59D	
	6.3H									

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 - 0.11											
0 - 0.11											
0.16 - 0.26											
0.36 - 0.46											
0.45 - 0.6									67I		6
27											
0.45 - 0.6									67I		6
27											

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_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