Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0112** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 15/11/91
Map Ref.:
Northing/Long.: 6263570 AMG zone: 50
Easting/Lat.: 561230 Datum: AGD84
Locality:
Elevation: 295 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: 1 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: Dy2.13
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 - 0.06 m Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Dry; Field pH 5.5 (Raupach); Abundant, very fine (0-1mm) roots; Abrupt change to -

A3 0.06 - 0.1 m Very dark grey (10YR3/1-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure; Dry; Field pH 5.5 (Raupach); Many, very fine (0-1mm) roots; Clear change to -

B21 0.1 - 0.34 m Light brownish grey (10YR6/2-Moist); Mottles, 10YR68; Sandy medium clay; Rough-ped fabric; Dry; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Clear change to -

B22 0.34 - 0.6 m Grey (10YR6/1-Moist); Mottles, 10YR68, 2-10% , 0-5mm, Faint; Sandy medium clay; Rough-ped fabric; Moderately moist; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; Field pH 8 (Raupach); Few, medium (2-5mm) roots; Gradual change to -

B23 0.6 - 1 m Grey (10YR6/1-Moist); Mottles, 10YR68, 2-10% , 5-15mm, Distinct; Medium clay; Rough-ped fabric; Moderately moist; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach);

Morphological Notes

B21 SAMPLED.MOTTLE IS CUTAN
B23 +MS

Observation Notes

Site Notes

Site slope (508) entered as 0% but actually has slight slope <0.5%

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations	Exchangeable	CEC	ECEC	ESP

m		dS/m	Ca	Mg	K	Na	Acidity		%
					Cmol (+)/kg				
0.1 - 0.34	5.1B 6.3H	16B	3.48H	5.53	0.08	1.71	<0.02J	10.8D	
0.1 - 0.34	5.1B 6.3H	16B	3.48H	5.53	0.08	1.71	<0.02J	10.8D	

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			%	
0.1 - 0.34 30									63I		7
0.1 - 0.34 30									63I		7

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