Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0826** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 26/05/93
Map Ref.:
Northing/Long.: 6242150 AMG zone: 50
Easting/Lat.: 535350 Datum: AGD84
Locality:
Elevation: 341 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: Upper-slope
Elem. Type: Hillcrest
Slope: 2 %
Relief: 30 metres
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition

Firm

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: Dy5.22
Great Soil Group: N/A

Site

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

Vegetation:

Surface Coarse

10-20%, medium gravelly, 6-20mm, rounded, ; No surface coarse fragments

Profile

A1 0 - 0.1 m Dark reddish brown (5YR3/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose consistence; 10-20%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach); Many, very fine (0-1mm) roots; Abrupt change to -

A21 0.1 - 0.45 m Dark reddish brown (2.5YR3/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6.5 (Raupach); Few, very fine (0-1mm) roots; Gradual change to -

A22 0.45 - 0.6 m Strong brown (7.5YR4/6-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; Loose consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 7 (Raupach); Few, very fine (0-1mm) roots; Clear change to -

B2t 0.6 - 0.8 m Brownish yellow (10YR6/6-Moist); Mottles, 10R46, 20-50% , 15-30mm, Prominent; Mottles, 10YR46, 10-20% , 15-30mm, Distinct; Light medium clay; Moderate grade of structure; Smooth-ped fabric; Moderately moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; Field pH 7.5 (Raupach); Few, very fine (0-1mm) roots;

Morphological Notes

A1 Gabbro stone in this layer
A21 Ferruginous and manganiferow gravel

Observation Notes

Site Notes

O'Neill 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 - 0.1	5.3B									
0.15 - 0.25	5.5B									
0.3 - 0.4	5.8B									
0.6 - 0.8	6.2B 7H	6B	2.84A	2.96	0.06	0.5			6.36D	
0.6 - 0.8	6.2B 7H	6B	2.84A	2.96	0.06	0.5			6.36D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size Analysis CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1											
0.15 - 0.25											
0.3 - 0.4											
0.6 - 0.8									41I		4.5
54.5											
0.6 - 0.8									41I		4.5
54.5											

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
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_CEC	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no 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
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