Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1707** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 09/06/94
Map Ref.:
Northing/Long.: 6312640 AMG zone: 50
Easting/Lat.: 491610 Datum: AGD84
Locality:
Elevation: 290 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: Undulating low hills 30-90m 3-10%
Pattern Type: Low hills

Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 5 %
Relief: 30 metres
Slope Category: No Data
Aspect: 270 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: Dr5.21
Great Soil Group: N/A

Site No effective disturbance. Natural

Vegetation:

Surface Coarse No surface coarse fragments; 2-10%, , subangular, Dolerite

Profile

A1 0 - 0.04 m Dark reddish brown (5YR3/3-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moderately moist; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear change to -

A21 0.04 - 0.15 m Dark reddish brown (5YR3/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear change to -

A22 0.15 - 0.35 m Reddish brown (5YR4/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Moist; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -

B2 0.35 - 0.5 m Red (10R4/8-Moist); , 10YR54, 20-50% , 5-15mm, Distinct; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 5 (Raupach); Abrupt change to -

R 0.5 - m Rock

Morphological Notes

A21 Black gravel

Observation Notes

Site Notes

Site in timber reserve along Howie Road

Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **1707** **Observation** **1**
Agency Name: **Agriculture Western Australia**

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%

0 - 0.1	5.2B							
0.15 - 0.25	5.1B							
0.35 - 0.5	3.9B 4.6H	22B	0.7H	0.17	0.06	0.02	0.07J	0.95D
0.4 - 0.5	4B							

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS	FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1												
0.15 - 0.25												
0.35 - 0.5									42.5I		10	47.5
0.4 - 0.5												

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
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