Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **0776** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Jaki Hogstrom
Date Desc.: 10/04/93
Map Ref.:
Northing/Long.: 6305440 AMG zone: 50
Easting/Lat.: 464960 Datum: AGD84
Locality:
Elevation: 275 metres
Rainfall: No Data
Runoff: No Data
Drainage: Poorly 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: Gently undulating plains <9m 1-3%
Pattern Type: Rises

Morph. Type: Lower-slope
Elem. Type: Footslope
Slope: 1 %
Relief: 3 metres
Slope Category: No Data
Aspect: 315 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: Dy2.61
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 - 0.1 m Very dark grey (10YR3/1-Moist); , 0-0% ; Fine sandy loam; Single grain grade of structure; Moderately moist; Loose consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abundant, very fine (0-1mm) roots; Abrupt, Smooth change to -

A21 0.1 - 0.2 m Yellowish brown (10YR5/4-Moist); , 0-0% ; Clayey fine sand; Massive grade of structure; Moderately moist; Very weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Many, very fine (0-1mm) roots; Clear change to -

A22 0.2 - 0.3 m Yellowish brown (10YR5/6-Moist); , 0-0% ; Clayey sand; Massive grade of structure; Moderately moist; Weak consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Common, very fine (0-1mm) roots; Clear change to -

B21 0.3 - 0.55 m Yellowish brown (10YR5/8-Moist); , 0-0% ; Sandy light clay; Massive grade of structure; Moderately moist; Very firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; 10-20%, medium gravelly, 6-20mm, subangular, , coarse fragments; Field pH 6 (Raupach); Few, very fine (0-1mm) roots; Clear change to -

B22 0.55 - 0.65 m Brownish yellow (10YR6/8-Moist); , 0-0% ; Light clay; Massive grade of structure; Moderately moist; Very firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6 (Raupach);

Morphological Notes

A21 Plus medium sand in clayey fine sand
B22 Hard to dig

Observation Notes

Site Notes

Bluegum plantation on river terrace (footslope)

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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	4.9B									
0.1 - 0.2	4.9B									
0.3 - 0.55	5.4B 6.3H	2B	1.58H	0.96	<0.02	0.07	0.03J		2.62D	
0.3 - 0.55	5.4B 6.3H	2B	1.58H	0.96	<0.02	0.07	0.03J		2.62D	
0.4 - 0.5	5.2B									

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 - 0.1											
0.1 - 0.2											
0.3 - 0.55 6.5									90I		3.5
0.3 - 0.55 6.5									90I		3.5
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
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method 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