Project Name: **Katanning land resources survey**
Project Code: **KLC** **Site ID:** **2288** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Heather Percy
Date Desc.: 03/11/94
Map Ref.:
Northing/Long.: 6245950 AMG zone: 50
Easting/Lat.: 475140 Datum: AGD84
Locality:
Elevation: 260 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: Gently undulating rises 9-30m 1-3%
Pattern Type: Rises

Morph. Type: Flat
Elem. Type: Valley flat
Slope: 0 %
Relief: 30 metres
Slope Category: No Data
Aspect: No Data

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: Dy3.11
Great Soil Group: N/A

Site

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

Vegetation:

Surface Coarse

2-10%, medium gravelly, 6-20mm, rounded, ; No surface coarse fragments

Profile

A11 0 - 0.04 m Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Massive grade of structure; Dry; 10-20%, fine gravelly, 2-6mm, rounded, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -

A12 0.04 - 0.15 m Dark brown (7.5YR3/3-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Dry; 20-50%, medium gravelly, 6-20mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Clear change to -

A3 0.15 - 0.35 m Dark yellowish brown (10YR4/4-Moist); , 0-0% ; Sandy loam; Massive grade of structure; Dry; 50-90%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Field pH 6 (Raupach); Abrupt change to -

B1 0.35 - 0.4 m Yellowish brown (10YR5/4-Moist); , 0-0% ; Light medium clay; Weak grade of structure; Rough-ped fabric; Moderately moist; 50-90%, fine gravelly, 2-6mm, subrounded, , coarse fragments; Abrupt change to -

B2 0.4 - 0.7 m Yellowish brown (10YR5/6-Moist); Mottles, 2.5YR46, 20-50% , 15-30mm, Distinct; Light medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; 20-50%, fine gravelly, 2-6mm, rounded, , coarse fragments; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 6 (Raupach);

Morphological Notes

A3 Moderately moist below 30 cm.
B2 Very slight dispersion.

Observation Notes

Site Notes

Site along Boyup Brook - Kojonup 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	4.8B									
0.15 - 0.25	4.7B									
0.35 - 0.55	5.2B 6.1H	5B	1.8H	2.9	0.02	0.32	0.03J		5.04D	
0.35 - 0.55	5.2B 6.1H	5B	1.8H	2.9	0.02	0.32	0.03J		5.04D	
0.4 - 0.5	5.1B									

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											
0.15 - 0.25											
0.35 - 0.55									59.5I		6
34.5											
0.35 - 0.55									59.5I		6
34.5											
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_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