

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1198 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 23/08/93	Elevation: 286 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6344030 AMG zone: 50	Runoff: No Data
Easting/Lat.: 530190 Datum: AGD84	Drainage: Imperfectly drained

Geology

ExposureType: Auger boring	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Land Form

Rel/Slope Class: Level plain <9m <1%	Pattern Type: Alluvial plain
Morph. Type: Flat	Relief: 2 metres
Elem. Type: Plain	Slope Category: No Data
Slope: 0 %	Aspect: No Data

Surface Soil Condition Loose

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Dg4.42
	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

Ap 0 - 0.12 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Sand; Single grain grade of structure; Moderately moist;
	Field pH 6 (Raupach); Abrupt change to -
A21 0.12 - 0.4 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Sand; Single grain grade of structure; Moist; Field pH
	5.5 (Raupach); Clear change to -
A22e 0.4 - 0.45 m	Very pale brown (10YR7/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Wet; Field pH 5.5
	(Raupach); Clear, Wavy change to -
B21 0.45 - 0.7 m	Light grey (10YR7/2-Moist); Mottles, 2.5YR46, 20-50% , 15-30mm, Prominent; Sandy clay loam; Weak
	grade of structure; Rough-ped fabric; Moderately moist; Field pH 5.5 (Raupach); Clear change to -
B22 0.7 - 0.85 m	Light grey (10YR7/2-Moist); , 7.5YR56, 20-50% , 15-30mm, Distinct; , 2.5YR40, 10-20% , 15-30mm, Prominent; Coarse sandy light medium clay; Weak grade of structure; Rough-ped fabric; Moderately
	moist; Field pH 5.5 (Raupach); Clear change to -
C 0.85 - 0.9 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Coarse sandy clay loam; Massive grade of structure;
	Moderately moist; Field pH 6.5 (Raupach);

Morphological Notes

Observation Notes

Site Notes

Site along Highbury East Road.

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	4.7B									
0.15 - 0.25	4.5B									
0.4 - 0.45	4.5B									
0.45 - 0.7	4.5B	43B	0.43H	2.36	0.15	1.2	0.07J		4.14D	
	5.2H									
0.45 - 0.7	4.5B	43B	0.43H	2.36	0.15	1.2	0.07J		4.14D	
	5.2H									

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS	Silt
0 - 0.1									
0.15 - 0.25									
0.4 - 0.45									
0.45 - 0.7								71.5I	5
0.45 - 0.7								71.5I	5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,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 (Mn ²⁺) 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